



UPSTATE

P R E C A S T

UPSTATEPRECAST.COM

NEW NAME

-

FAMILIAR FACES

-

BETTER PRODUCT



Dear Valued Customer,

Our mission at Upstate Precast is to offer quality products and customer service at a competitive price while striving to honor the lord in everything we do. While providing professional service in a safe and timely manner is our top priority, we also believe in giving our time, treasure and talent towards enriching the communities we live and work in.

We certify that all circular precast concrete structures meet the requirements of ASTM C-478 and all square and rectangular structures meet the requirements of ASTM C-890 and C-913. All utility vaults meet ASTM C-858.

We exclusively use portland cement which conforms to ASTM C-150, type II. All of our precast concrete is designed to have a minimum strength of 4,000 psi in 28 days (higher strengths can be poured by request to meet job specifications). All aggregates, both fine and coarse are to meet ASTM C-33 specifications.

All of our reinforced steel is grade 60. All bars are intermediate or hard grade billet steel meeting ASTM A-615 specifications. All steel welded wire fabric meets ASTM A-185 specifications.

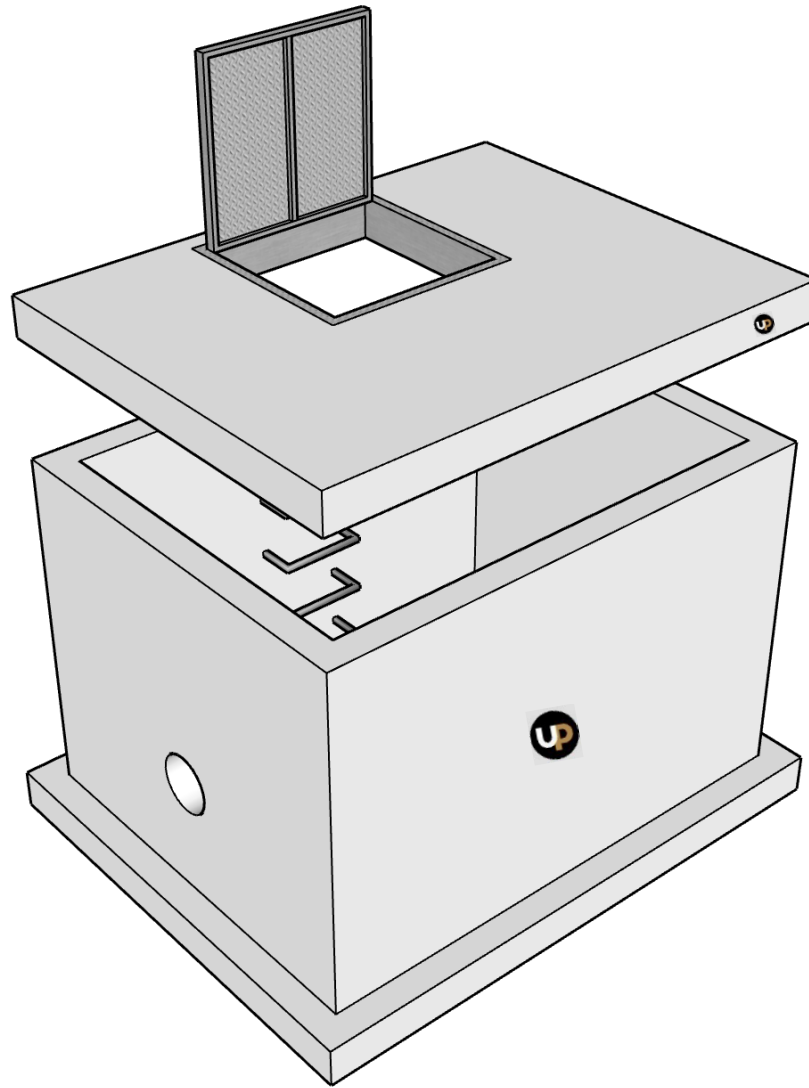
We hope that this catalog will help you to gain a comprehensive picture of our product lines. If you have any questions, please feel free to reach out to our sales team or look at our website upstateprecast.com. You can expect to receive prompt and friendly service from all of our staff members. We look forward to working with you!

With gratitude,
The Upstate Precast Team

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VAULTS



Utility vaults will comply with ASTM C-858.

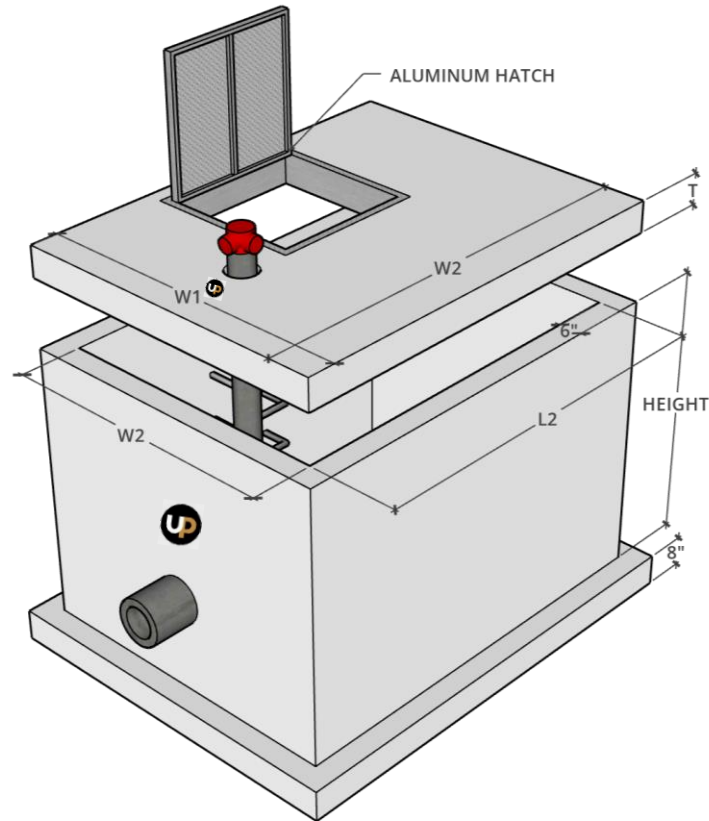
Grease interceptors and septic tanks will comply with ASTM C-890.

Concrete design will meet a minimum strength of 4000 psi at 28 days.

Reinforcement will comply with ASTM A-615.

Vaults bases can be poured with an open footer or as a solid base.

FIRE PROTECTION VAULT



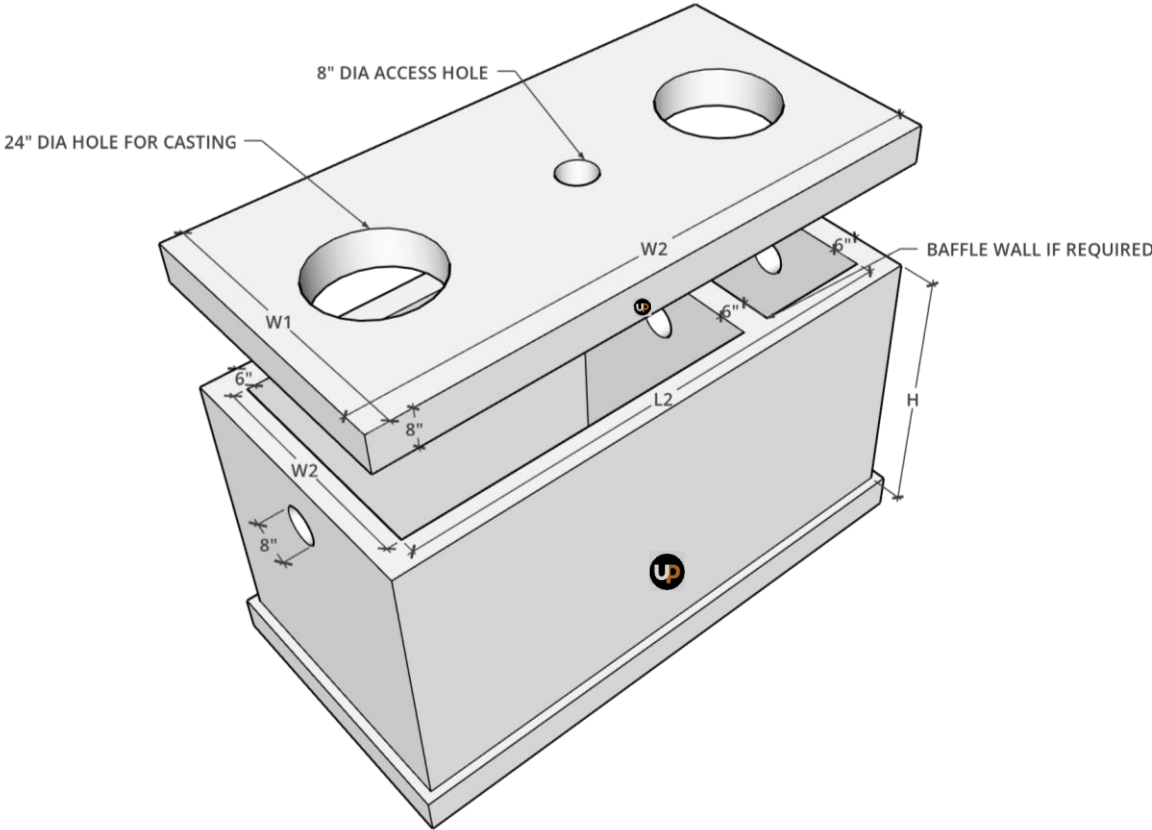
REINFORCEMENT:

- 4" FPV – WALLS: #4 @ 12" OCEW
- FOOTER & TOP: #5 @ 8" OCEW
- ALL OTHER SIZES – WALLS: #4 @ 10 OCEW
- FOOTER & TOP: #5 @ 8" OCEW

DESCRIPTION	VAULT SIZE (W2XL2XH)	LID SIZE (W1XL1XT)	VAULT WEIGHT* (LBS)	LID WEIGHT	ALUMINUM HATCH TYPE
GWS 4"	6' x 6' x 6'	7' x 7' x 8"	15,440 LBS	4,840 LBS	3' X 3' APS 300
GWS 6"	6' x 8' x 6'	7' x 9' x 8"	17,840 LBS	6,240 LBS	3' X 3' APS 300
GWS 8"	6' x 8' x 6'	7' x 9' x 8"	17,840 LBS	6,240 LBS	3' X 3' APS 300
GWS 10"	6' x 10' x 7'	7' x 11' x 8"	22,720 LBS	7,600 LBS	3' X 3' APS 300
SWS 4"	6' X 7' X 7'	7' X 8' X 8"	18,720 LBS	5,520 LBS	4' X 4' TPD 300
SWS 6"	6' X 8' X 7'	7' x 9' x 8"	18,880 LBS	6,240 LBS	4' X 4' TPD 300
SWS 8"	6' X 8' X 7'	7' x 9' x 8"	18,880 LBS	6,240 LBS	4' X 4' TPD 300
SWS 10"	6' X 10' X 7'6"	7' x 11' x 8"	23,920 LBS	7,600 LBS	4' X 4' TPD 300

CUSTOM SIZES AVAILABLE UPON REQUEST
 VAULT CAN BE SOLD WITH OR WITHOUT PLUMBING
 *Weights are approximate and do NOT include weight of plumbing

GREASE TRAPS AND SEPTIC TANKS

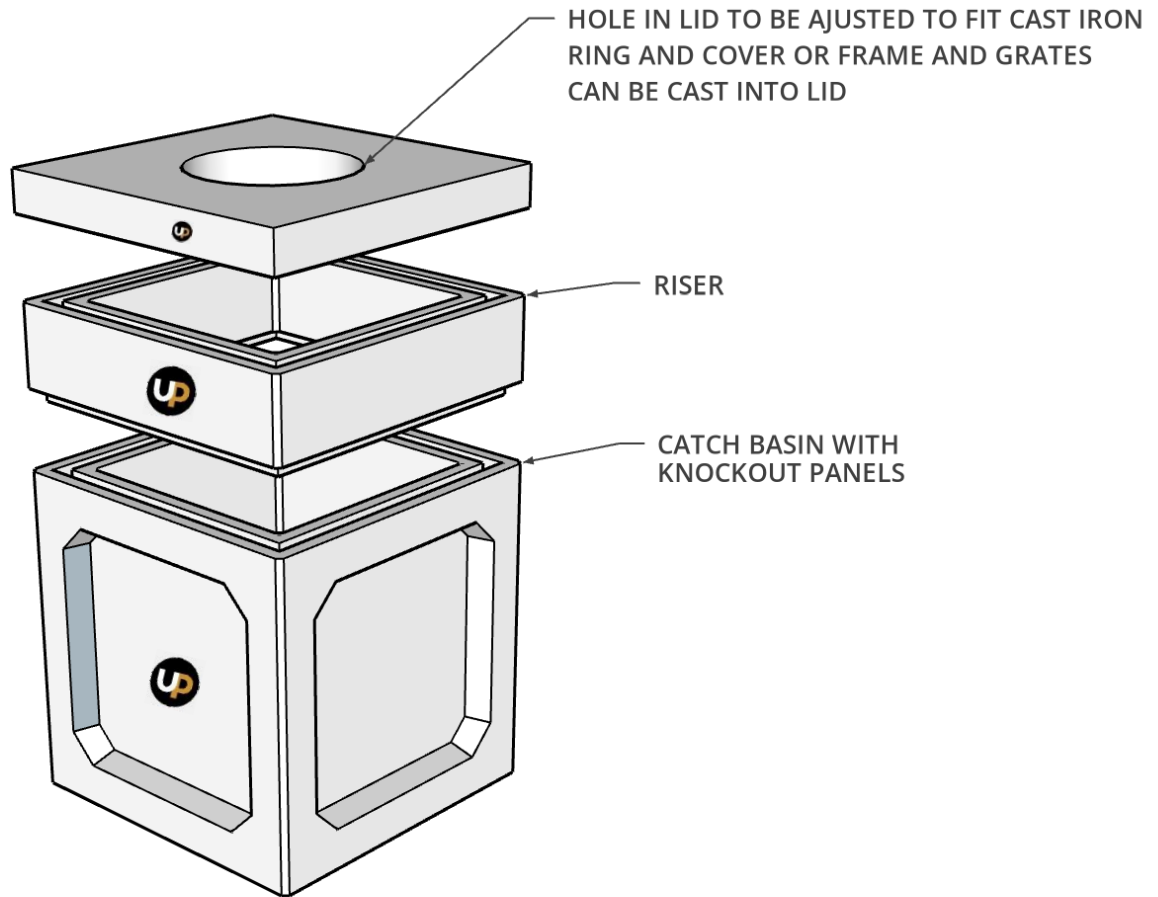


REINFORCEMENT:
 WALLS: #5 REBAR @ 8" OCEW
 LID/BASE: #5 REBAR @ 6" OCEW

TANK VOLUME (GAL)	VAULT DIMENTIONS (L2 X W2 X H)	LID DIMENTIONS (L1 X W1)	TANK WEIGHT (LBS)*	LID WEIGHT (LBS)*
1000	4' X 8' X 6'	5' X 9'	18,500 LBS	4,500 LBS
1500	5' X 10' X 5'	6' X 11'	21,000 LBS	6,700 LBS
2000	6' X 12' X 5'	7' X 13'	27,000 LBS	9,200 LBS

CUSTOM SIZES AVAILABLE UPON REQUEST
 PLUMBING NOT INCLUDED
 *Weights are approximate

KNOCKOUT PANEL STORM STRUCTURES



Catch basin design will comply with ASTM C-890 and C-913.

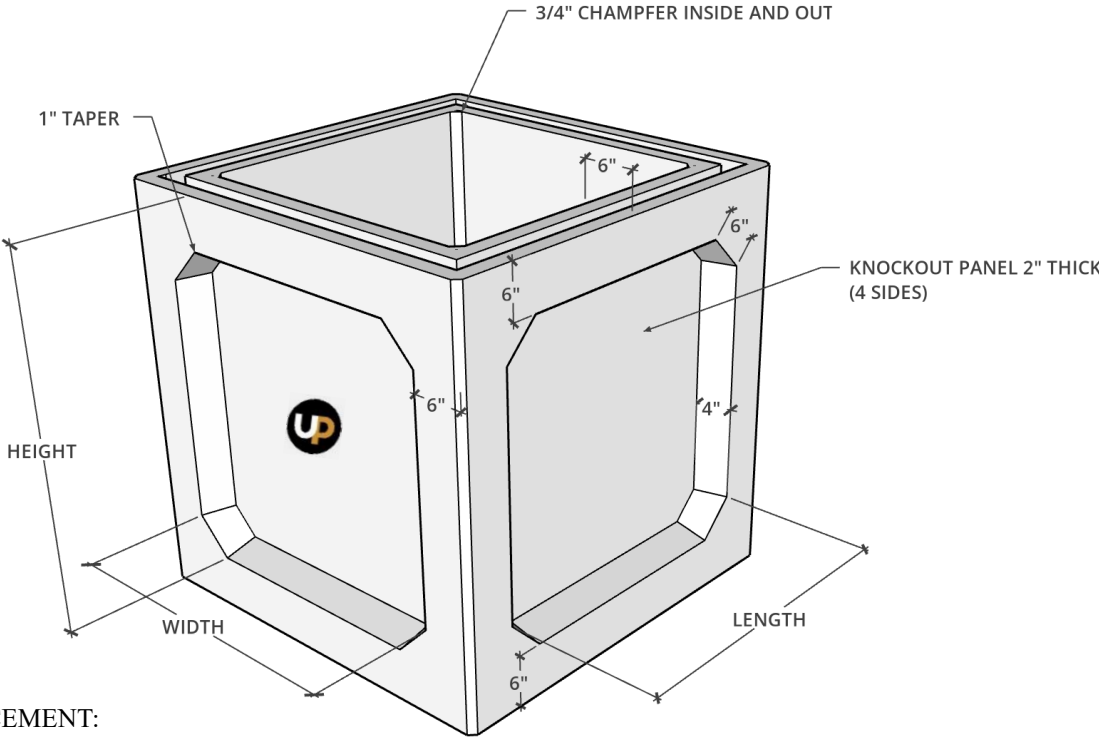
They will also meet H-20 wheel loading requirements.

Reinforcement will comply with ASTM A-615.

Concrete design to meet minimum of 4000 psi at 28 days.

All box sizes can be poured as solid wall boxes with holes cored.

KNOCKOUT PANEL CATCH BASINS



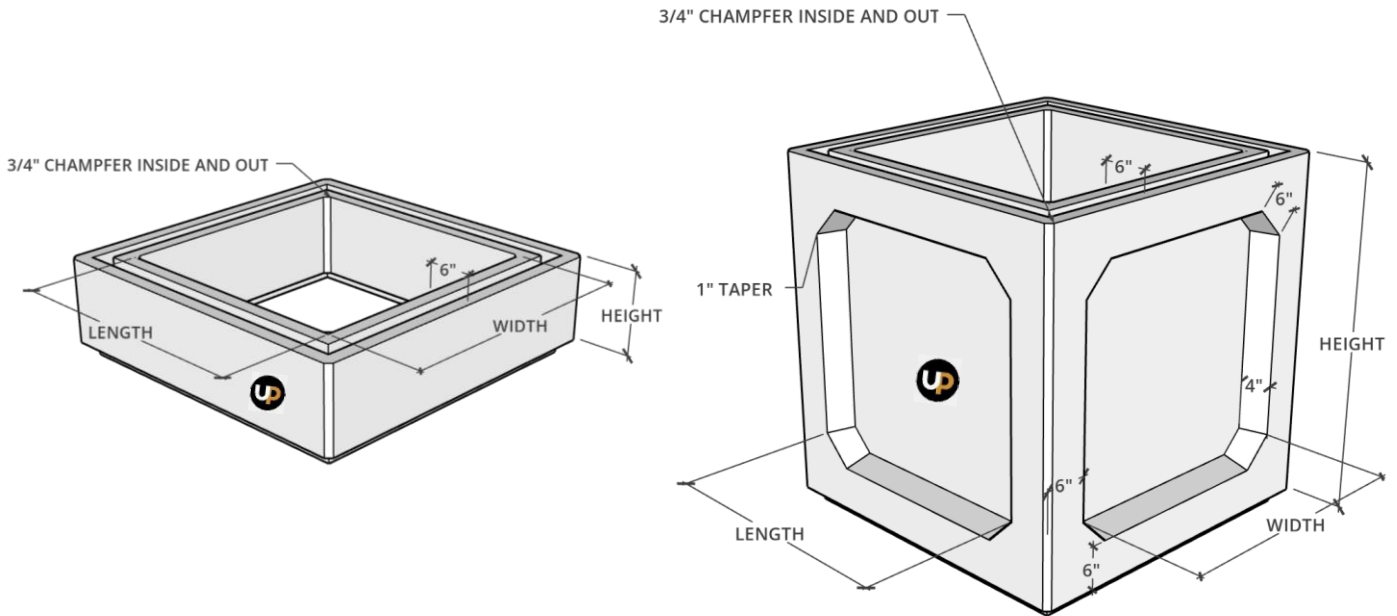
REINFORCEMENT:
 CORNERS & LEGS: #4 BAR (3 PER CORNER)
 BASE: INSTEEL MATS

DESCRIPTION (WXLXH)	WEIGHT (LBS)*	MAXIMUM PIPE ACCOMIDAITON**
2'X2'X2' CATCH BASIN	1,650 LBS	12" RCP
2'X2'X3' CATCH BASIN	2,350 LBS	12" RCP
2'X3'X3' CATCH BASIN	2,800 LBS	12" RCP
2'X3'X4' CATCH BASIN	3,625 LBS	12" RCP
2.25'X3'X3' CATCH BASIN	3,100 LBS	15" RCP
2.23'X3'X4' CATCH BASIN	3,950 LBS	15" RCP
3'X3'X3' CATCH BASIN	3,300 LBS	18" RCP
3'X3'X4' CATCH BASIN	4,400 LBS	24" RCP
4'X4'X4' CATCH BASIN	5,950 LBS	30" RCP
4'X4'X5' CATCH BASIN	7,100 LBS	30" RCP
5'X5'X6' CATCH BASIN	8,100 LBS	48" RCP

*Weight is approximate

**Maximum pipe size is for pipe entering structure straight and not at strong angles

CATCH BASIN RISERS



REINFORCEMENT:

WALLS & CORNERS - #4 REBAR (1 PER CORNER, NO REBAR IN KNOCKOUT PANEL)

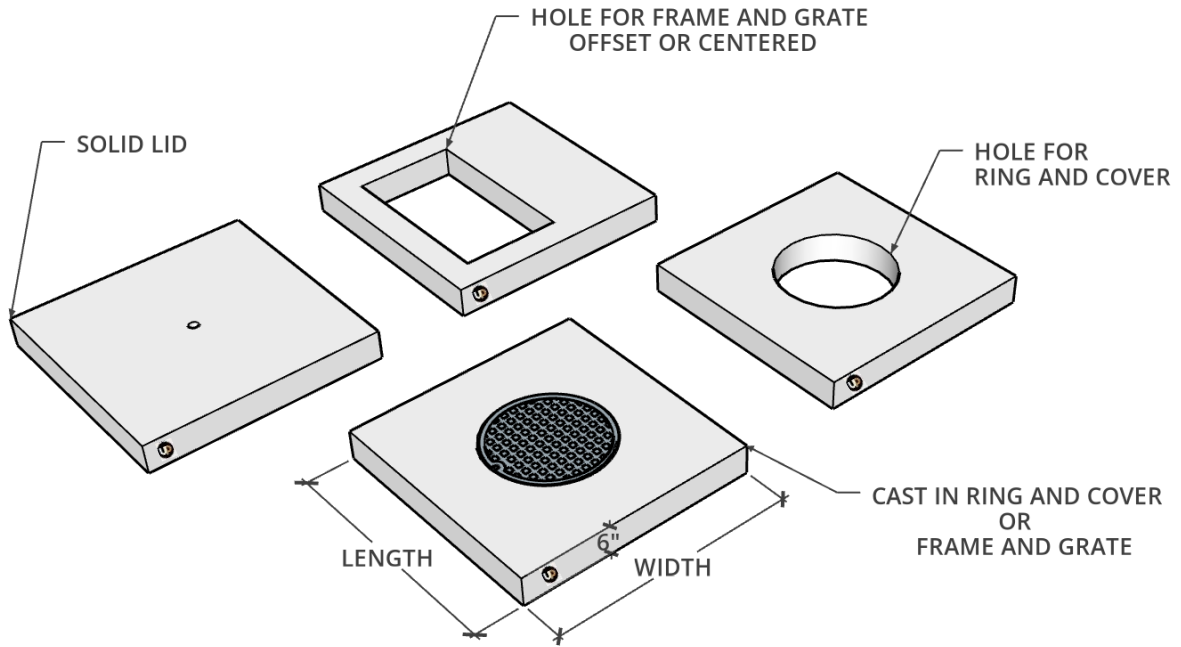
DESCRIPTION (WXLXH)	WEIGHT (LBS)**	MAXIMUM PIPE ACCOMIDAITON***
2'X2'X1' RISER	700 LBS	N/A
2'X2'X2' RISER	1,320 LBS	N/A
2'X3'X1' RISER	825 LBS	N/A
2'X3'X2' RISER	1,485 LBS	N/A
2.25'X3'X1' RISER	920 LBS	N/A
2.23'X3'X2' RISER	1,840 LBS	N/A
3'X3'X1' RISER	930 LBS	N/A
3'X3'X2' RISER	1,650 LBS	N/A
3'X3'X3.5' RISER*	2,975 LBS	18" RCP
3'X3'X4.5' RISER*	3,795 LBS	18" RCP
4'X4'X1' RISER	1,125 LBS	N/A
4'X4'X2' RISER	2,175 LBS	N/A
4'X4'X4.5' RISER*	4,950 LBS	30" RCP

*Riser has knockout panel on 4 sides

**Weight is approximate

***Maximum pipe size is for pipe entering structure straight and not at strong angles

CATCH BASIN LIDS



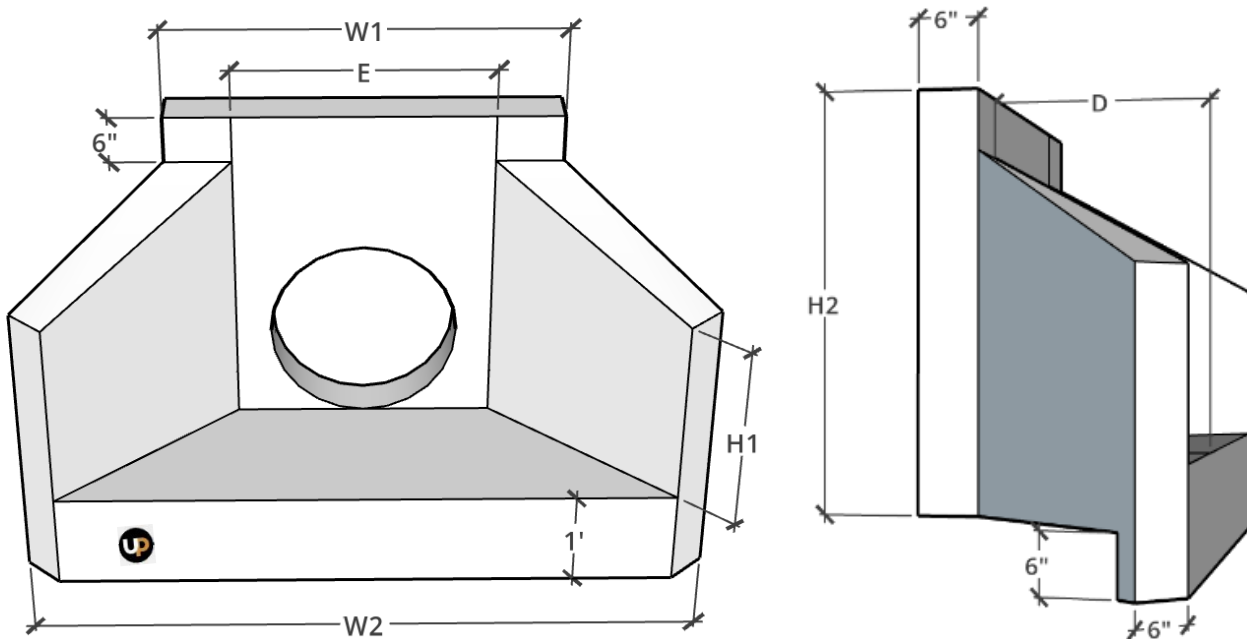
STANDARD REINFORCEMENT: INSTEEL MATS

CATCH BASIN LIDS ARE TYPICALLY 6" THICK, BUT CAN BE MADE THICKER WHEN NEEDED.
 RECESSED STEEL HOOKS ARE USED FOR LIFTING.
 ADDITIONAL REINFORCEMENT CAN BE ADDED AS NEEDED.

DESCRIPTION (WXL)	WEIGHT (LBS)*	STD. BOX USED (ID)
3'X3' CATCH BASIN LID	700 LBS	2'x2' CATCH BASIN
4'X4' CATCH BASIN LID	1,200 LBS	3'X3' CATCH BASIN
5'X5' CATCH BASIN LID	1,875 LBS	4'X4' CATCH BASIN
6'X6' CATCH BASIN LID	2,700 LBS	5'X5' CATCH BASIN

CUSTOM SIZES AVAILABLE UPON REQUEST
 *Weights are approximate and based on solid lid design

STORM DRAIN HEADWALLS

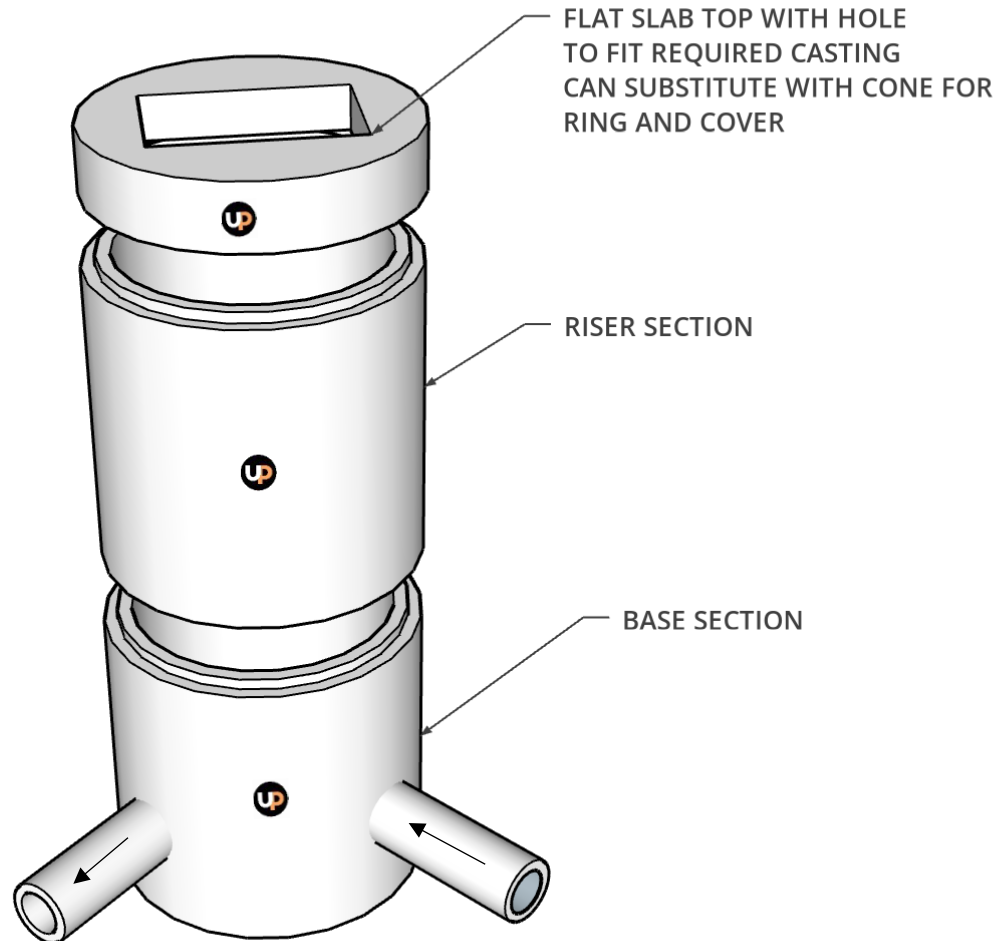


REINFORCEMENT: #4 @ 8" OCEW

PRODUCT	W1	W2	H1	H2	D	E	HOLE SIZE	WEIGHT (LBS)*
HW 12	3' 2"	4' 10"	1' 3"	3' 2"	1' 3"	1' 9"	17"	1,700 LBS
HW 15	3' 2"	4' 10"	1' 3"	3' 2"	1' 3"	1' 9"	21"	1,650 LBS
HW 18	4' 2"	7' 2"	2'	4'	1' 10"	2' 9"	24"	2,800 LBS
HW 24	4' 2"	7' 2"	2'	4'	1' 10"	2' 9"	32"	2,700 LBS
HW 30	5' 8"	10' 10"	3' 3"	5' 8"	2' 11"	4' 3"	40"	6,800 LBS
HW 36	5' 8"	10' 10"	3' 3"	5' 8"	2' 11"	4' 3"	48"	6,400 LBS
HW 42	6' 6"	12' 6"	3' 6"	6' 8"	2' 4"	5' 2"	54"	7,800 LBS
HW 48	6' 6"	12' 6"	3' 6"	6' 8"	2' 4"	5' 2"	62"	7,500 LBS
HW 60	9' 4"	12' 8"	4'	9'	3' 6"	7' 6"	90"	22,000 LBS

*Weight is approximate

STORM DRAIN MANHOLES



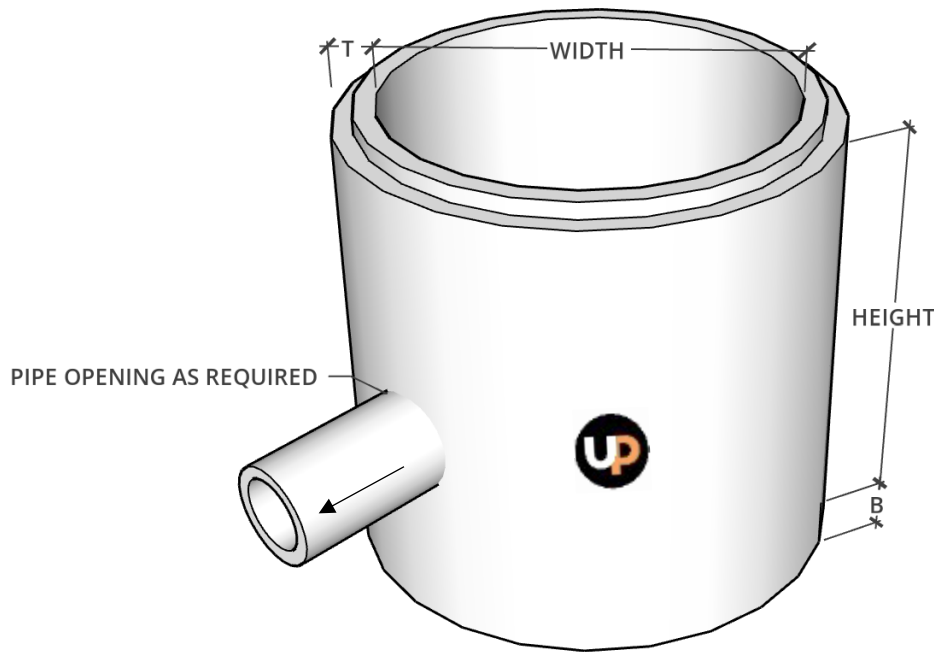
Manhole design will comply with ASTM C-478.

Reinforcement will comply with ASTM A-185 and ASTM A-615.

Concrete design to meet minimum of 4000 psi at 28 days.

Pipe openings will be cored or cast in as required, boots available upon request.

STORM DRAIN MANHOLE BASES



REINFORCEMENT:

BASES: INSTEEL MATS FOR 4' DIA, #4 @ 8" OCEW FOR 5' DIA AND 6' DIA
 WALLS: W3 A12 INSTEEL ROLLED WIRE

DESCRIPTION (WIDTH X HEIGHT)	B	T	WEIGHT*
4' X 16" BASE	6"	5"	2,532 LBS
4' X 24" BASE	6"	5"	3,110 LBS
4' X 32" BASE	6"	5"	3,688 LBS
4' X 40" BASE	6"	5"	4,266 LBS
4' X 48" BASE	6"	5"	4,844 LBS
4' X 64" BASE	6"	5"	6,000 LBS
5' X 16" BASE	8"	6"	4,568 LBS
5' X 24" BASE	8"	6"	5,432 LBS
5' X 32" BASE	8"	6"	6,296 LBS
5' X 40" BASE	8"	6"	7,160 LBS
5' X 48" BASE	8"	6"	8,024 LBS
5' X 64" BASE	8"	6"	9,752 LBS

DESCRIPTION (WIDTH X HEIGHT)	B	T	WEIGHT*
6' X 16" BASE	8"	7"	6,463 LBS
6' X 24" BASE	8"	7"	7,670 LBS
6' X 32" BASE	8"	7"	8,876 LBS
6' X 40" BASE	8"	7"	10,082 LBS
6' X 48" BASE	8"	7"	11,288 LBS
6' X 64" BASE	8"	7"	13,700 LBS

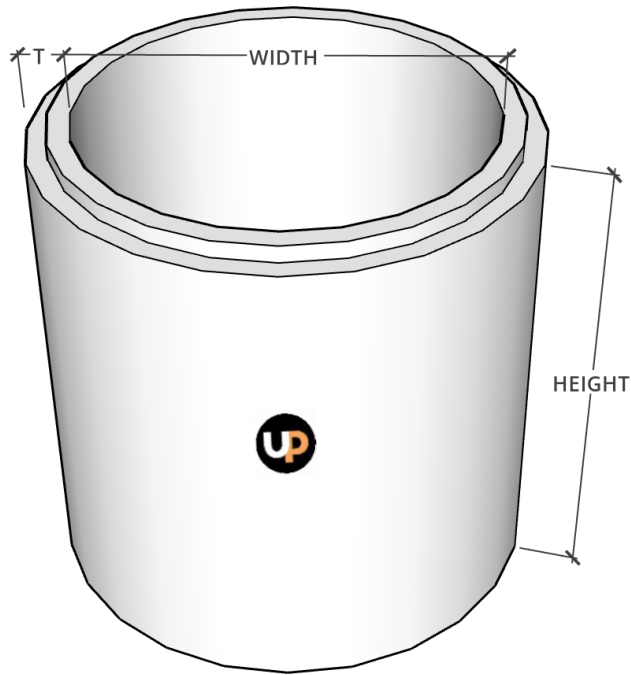
CUSTOM SIZES AVAILABLE UPON REQUEST

*Weight is approximate

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STORM DRAIN RISERS



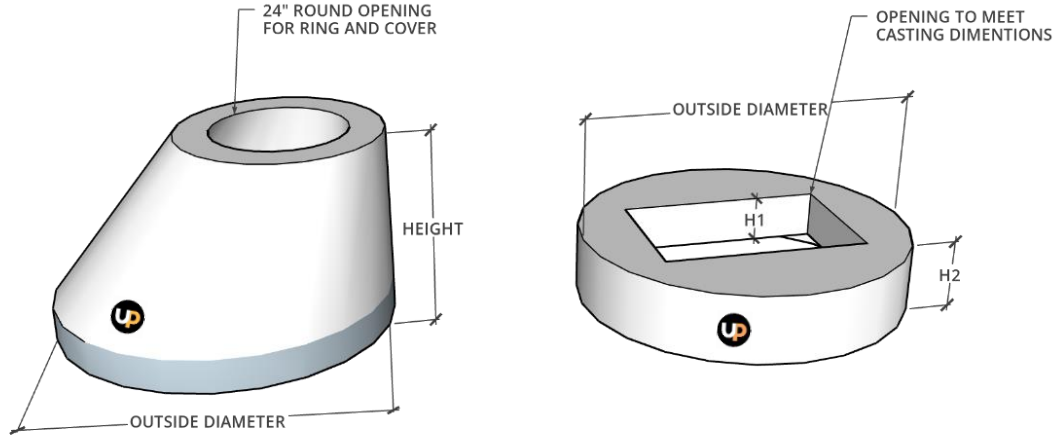
REINFORCEMENT:
WALLS: W3 A12 INSTEEL ROLLED WIRE

DESCRIPTION (WIDTH X HEIGHT)	T	WEIGHT* (LBS)
4' X 16" RISER	5"	1,156 LBS
4' X 24" RISER	5"	1,734 LBS
4' X 32" RISER	5"	2,312 LBS
4' X 40" RISER	5"	2,890 LBS
4' X 48" RISER	5"	3,468 LBS
4' X 64" RISER	5"	4,624 LBS
5' X 16" RISER	6"	1,728 LBS
5' X 24" RISER	6"	2,592 LBS
5' X 32" RISER	6"	3,456 LBS
5' X 40" RISER	6"	4,320 LBS
5' X 48" RISER	6"	5,184 LBS
5' X 64" RISER	6"	6,912 LBS

DESCRIPTION (WIDTH X HEIGHT)	T	WEIGHT* (LBS)
6' X 16" RISER	7"	2,411 LBS
6' X 24" RISER	7"	3,618 LBS
6' X 32" RISER	7"	4,824 LBS
6' X 40" RISER	7"	6,030 LBS
6' X 48" RISER	7"	7,236 LBS
6' X 64" RISER	7"	9,648 LBS

CUSTOM SIZES AVAILABLE UPON REQUEST
HOLES CORED AS NEEDED
*Weight is approximate

STORM DRAIN MANHOLE LIDS



REINFORCMENT:

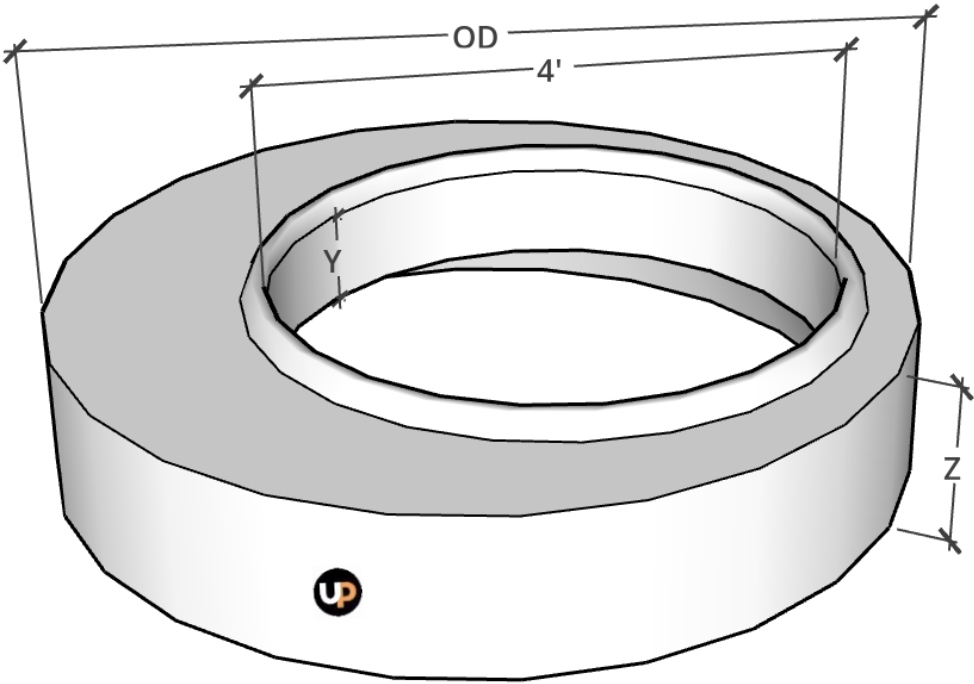
FLAT TOPS: #4 @ 8" OCEW FOR 4' DIA AND 5' DIA, #5 @ 8 OCEW FOR 6' DIA
 CONES: W3 A12 INSTEEL ROLLED WIRE

CONE SIZE (ID X H)	OUTSIDE DIAMETER	WEIGHT*
4' X 24" CONE	4' 10"	1,715 LBS
4' X 36" CONE	4' 10"	2,570 LBS
4' X 48" CONE	4' 10"	3,425 LBS
5' X 40" CONE	6'	TBD
5' X 48" CONE	6'	TBD
5' X 56" CONE	6'	TBD

PRODUCT DESCRIPTION	OUTSIDE DIAMETER	H1	H2	WEIGHT*
FST FOR 4' MANHOLE	4' 10"	8"	12"	1,700 LBS
FST FOR 5' MANHOLE	6'	8"	14"	2,700 LBS
FST FOR 6' MANHOLE	7' 2"	8"	14"	3,900 LBS

*Weight is approximate.

STORM DRAIN MANHOLE TRANSITION SLABS



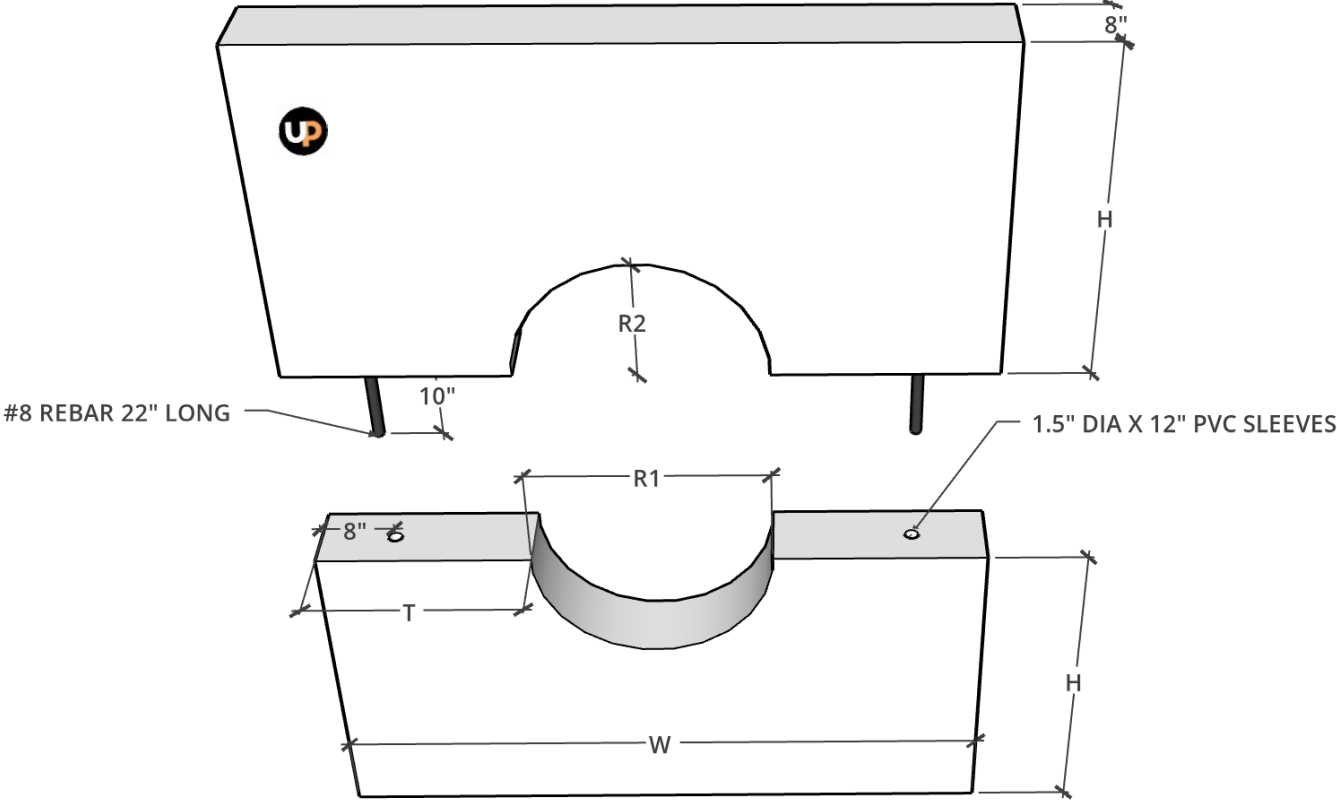
REINFORCEMENT:

#4 @ 8" OCEW FOR 4' DIA AND 5' DIA, #5 @ 8 OCEW FOR 6' DIA

REDUCER SIZE	OD	Y	Z	WEIGHT (LBS) *
5' DIA TO 4' DIA	6'	8"	14"	1,900 LBS
6' DIA TO 4' DIA	7' 2"	8"	14"	3,000 LBS

*Weights are approximate.

ANTISEEP COLLARS



REINFORCEMENT: #4 @ 8" OCEW

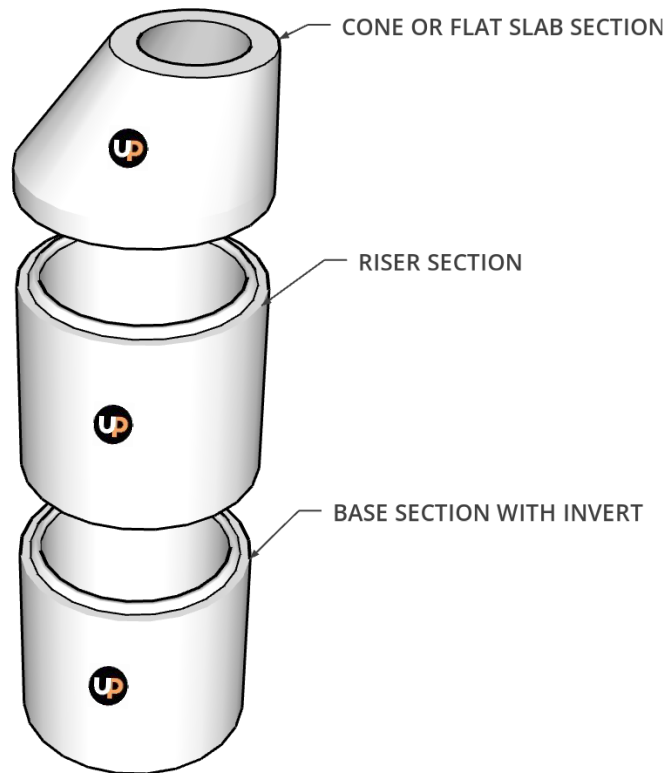
PRODUCT DESCRIPTION *	W	H	R1	R2	T	WEIGHT (LBS) **
ANTISEEP COLLAR FOR 15" PIPE	5'	2' 6"	21"	10.5"	19.5"	1,100 LBS
ANTISEEP COLLAR FOR 18" PIPE	5' 6"	2' 3"	24"	12"	21"	1,300 LBS
ANTISEEP COLLAR FOR 24" PIPE	6'	3'	32"	16"	20"	1,500 LBS
ANTISEEP COLLAR FOR 30" PIPE	6' 6"	3' 3"	40"	20"	19"	1,700 LBS

CUSTOM SIZES AVAILABLE UPON REQUEST

*Pipe size is based on RCP dimensions

**weight is approximate and based on half of collar.

SANITARY SEWER STRUCTURES



Manhole design will comply with ASTM C-748.

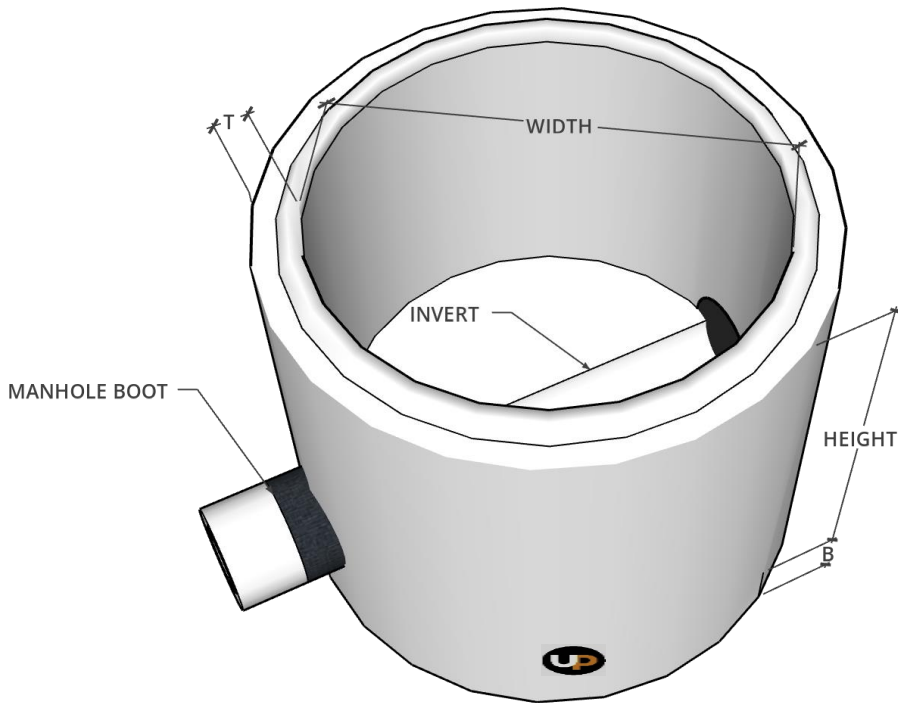
Reinforcement will comply with ASTM A-185 and A-616.

Concrete design will meet a minimum strength of 4000 psi at 28 days.

Pipe opening to be cored as needed with optional flexible boot connector.

Sanitary sewer manholes will be quoted with 6" joint wrap and 1" mastic sealer.

SANITARY SEWER BASES



REINFORCEMENT:

BASES: INSTEEL MATS FOR 4' DIA, #4 @ 8" OCEW FOR 5' DIA AND 6' DIA
 WALLS: W3 A12 INSTEEL ROLLED WIRE

DESCRIPTION (WIDTH X HEIGHT)	B	T	WEIGHT* (LBS)
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4' X 32" BASE	6"	5"	3,688 LBS
4' X 40" BASE	6"	5"	4,266 LBS
4' X 48" BASE	6"	5"	4,844 LBS
4' X 64" BASE	6"	5"	6,000 LBS
5' X 16" BASE	8"	6"	4,568 LBS
5' X 24" BASE	8"	6"	5,432 LBS
5' X 32" BASE	8"	6"	6,296 LBS
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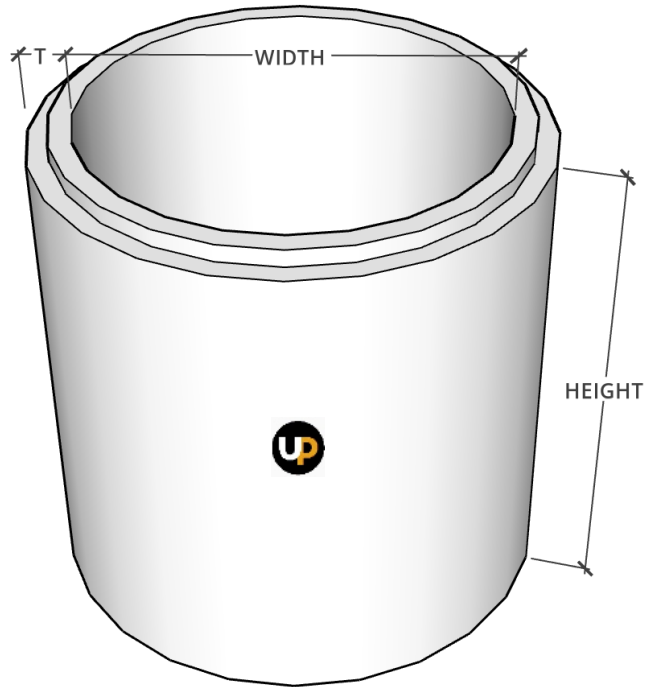
CUSTOM SIZES AVAILABLE UPON REQUEST

*Weights are approximate and do NOT include invert or boot weight

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SANITARY SEWER RISERS



REINFORCEMENT:
WALLS: W3 A12 INSTEEL ROLLED WIRE

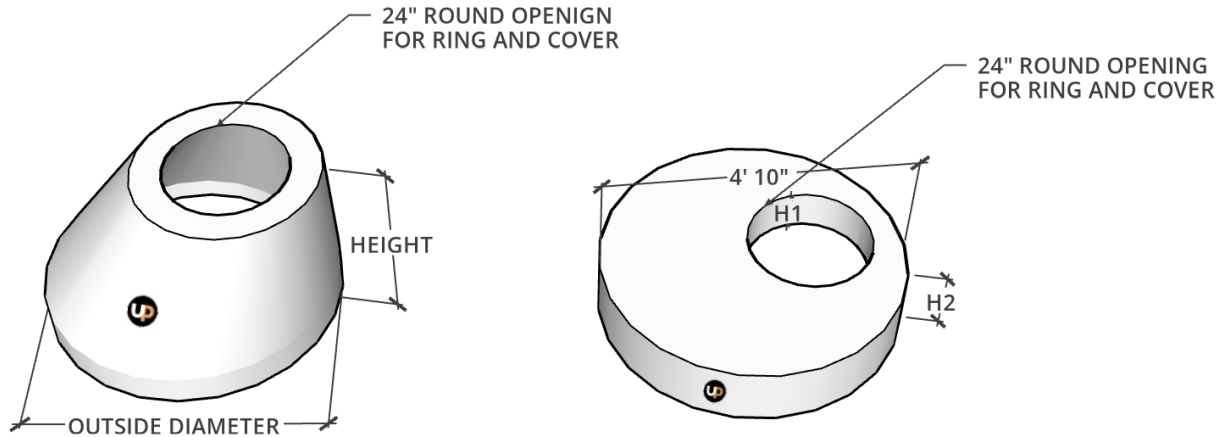
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6' X 48" RISER	7"	7,236 LBS
6' X 64" RISER	7"	9,648 LBS

CUSTOM SIZES AVAILABLE UPON REQUEST
HOLES CORED AND BOOTED AS NEEDED

*Weight is approximate

SANITARY SEWER MANHOLE LIDS



REINFORCMENT:

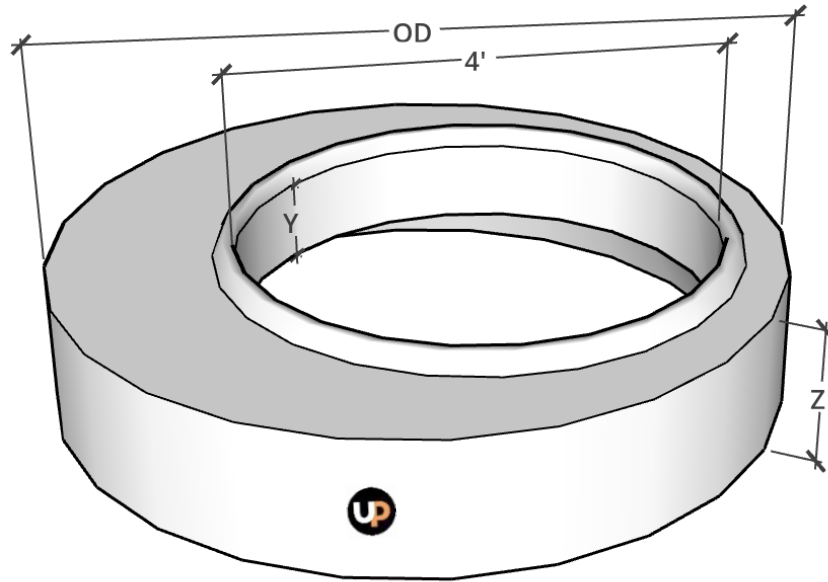
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 CONES: W3 A12 INSTEEL ROLLED WIRE

CONE SIZE (ID X H)	OUTSIDE DIAMETER	WEIGHT*
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5' X 40" CONE	6'	TBD
5' X 48" CONE	6'	TBD
5' X 56" CONE	6'	TBD

PRODUCT DESCRIPTION	OUTSIDE DIAMETER	H1	H2	WEIGHT*
FST FOR 4' MANHOLE	4' 10"	8"	12"	1,700 LBS
FST FOR 5' MANHOLE	6'	8"	14"	2,700 LBS
FST FOR 6' MANHOLE	7' 2"	8"	14"	3,900 LBS

*Weights are approximate

SANITARY SEWER REDUCER SLABS



REINFORCEMENT:

#4 @ 8" OCEW FOR 4' DIA AND 5' DIA, #5 @ 8 OCEW FOR 6' DIA

REDUCER SIZE	OD	Y	Z	WEIGHT (LBS) *
5' DIA TO 4' DIA	6'	8"	14"	1,900 LBS
6' DIA TO 4' DIA	7' 2"	8"	14"	3,000 LBS

*Weights are approximate.